

TECHNICAL DATA SHEET

TECHNIPLAST 400 RST

Two-component epoxy resin.

CHARACTERISTIC

Low viscosity.
Good penetration of concrete substrates.
Excellent adhesion to various substrates.
Chemical and mechanical resistance.
Ease of application.
A universal product with a wide range of applications.
A product with an amber shade.

PURPOSE

TECHNIPLAST 400 RST is most often used for:

priming concrete substrates for epoxy and polyurethane floors and coatings
as a binder for the preparation of epoxy-quartz screeds
as a binder for the preparation of leveling mortars
for making epoxy-glass laminates

COMPOSITION

Component A	-	modified epoxy resin
Component B	-	hardener for epoxy resin
Mixing ratio	-	100: 50

PACKAGING

1.5 kg	-	Component A	1.0 kg
	-	Component B	0.5 kg
3.0 kg	-	Component A	2.0 kg
	-	Component B	1.0 kg
7.5 kg	-	Component A	5.0 kg
	-	Component B	2.5 kg
15 kg	-	Component A	10 kg
	-	Component B	5.0 kg
30 kg	-	Component A	20 kg
	-	Component B	10.0 kg
300 kg	-	Component A	200 kg
	-	Component B	100 kg
600 kg	-	Component A	400 kg
	-	Component B	200 kg

STORAGE

Store in factory closed packages, in conditions free from moisture, freezing and contact with fire - max. 12 months.
In the event of crystallization, the material should be heated to 40 °C and wait until the phenomenon has completely subsided. The situation did not affect the technical parameters of the material.

TEHNICAL DATA

DENSITY Component A	-1.14 kg / dm ³ (+25 °C)
DENSITY Component B	-1.07 kg / dm ³ (+25 °C)
DENSITY Component A + B	-1.08 kg / dm ³ (+25 °C)
EFFLUX TIME A + B	-30 s (Ford 8 mm cup +25 °C)

APPLICATION

CONDITIONS:

AMBIENT TEMPERATURE	min. 10 °C max. 30 °C
SURFACE TEMPERATURE	min. 10 °C and min. 3 °C higher than the dew point temperature
AIR HUMIDITY	max. 75%

MIXING:

The materials intended for use should have a temperature of min. 15 °C.

Pour the entire contents of the package with component B into the package with component A. Stir with a low-speed mixer for about 3 minutes. (in order to avoid excessive aeration of the material, it is recommended to use a stirrer with a speed of about 300 rpm .) Pour the material into a clean container and mix again for about 2 minutes.

Due to the occurring chemical reaction, the material should be applied immediately after mixing. Do not leave mixed material in the package.

TIME OF WORK WITH THE PRODUCT ON THE GROUND:

SHELF LIFE 10 °C	40 - 45 min.
SHELF LIFE 20 °C	20 - 25 min.
SHELF LIFE 30 °C	10 - 15 min.

It should be remembered that coatings exposed to long-term UV radiation may discolor locally, which will not affect their other properties.

BASE

REQUIREMENTS:

MAKING	The concrete substrate should be made in accordance with the relevant normative documents
CONCRETE CURING	min. 28 days
HUMIDITY	max. 4% by weight (it is recommended to take a concrete sample and then weighing it before and after roasting in the oven)
TEMPERATURE	min. 10 °C
PULL-OFF STRENGTH	~ 1.5 MPa (pull -off test)

CLEANING TOOLS

Tools should be cleaned immediately after use with a solvent such as acetone or xylene.

LOAD

	PEDESTRIAN MOVEMENT	LIGHT LOAD	FULL LOAD
SURFACE TEMPERATURE 10 °C	~ 72 h	~ 6 days	~ 10 days
SURFACE TEMPERATURE 20 °C	~ 24 h	~ 4 days	~ 7 days
SURFACE TEMPERATURE 30 °C	~ 12 h	~ 2 days	~ 5 days

SAFETY

TECHNIPLAST 400 RST should only be used in ventilated rooms. Avoid contact with skin and eyes. During the application, it is absolutely recommended to use protective glasses, gloves and work clothes. During the works, it is forbidden to use open fire, and also to conduct any works that are its source. Detailed information on safety and environmental protection is available in the Technical Data Sheets of **TECHNIPLAST 400 RST**, which should be read carefully before each use of the product.

FINAL NOTES

The above information about the product **TECHNIPLAST 400 RST**, and in particular the proposed fields of application and methods of application, have been given in good faith based on our current knowledge.

The technical data mentioned above are based on laboratory research and testing.

Due to the lack of control over the actual conditions and quality of the application and the way of using the product, **TECHNIART** reserves that the data contained in this technical data sheet cannot constitute the basis of **TECHNIART**'s liability.

Due to the multitude of possible applications of the **TECHNIPLAST 400 RST** product, we would like to point out that it is not a construction product in itself within the meaning of the applicable law.

The product **TECHNIPLAST 400 RST** is one of the components - certified and marked with the CE mark - **TECHNIART FLOOR SYSTEM 200**, **TECHNIART FLOOR SYSTEM 400** and **TECHNIART FLOOR SYSTEM 500 PU** construction products offered by **TECHNIART**.

With the issue or update of this technical sheet, the previous ones lose their validity.